<u>REMARKS</u>

By the present response, Applicant has amended the specification and claims 1, 4, 7-11, 14 and 15 to further clarify the invention. Claims 1-24 remain pending in the present application.

In the Office Action, the Examiner has rejected the claims under 35 U.S.C. § 112, second paragraph. Claims 1-24 have been rejected under 35 U.S.C. § 102(e) as being anticipated by Lung et al.

<u>35 U.S.C. § 112 Rejections</u>

The Examiner notes that the term "Convergency" in the claims is used by the claim to mean "Interface", while the accepted meaning is "to meet", and asserts that the specification does not clearly redefine the term. Applicant has amended the specification to further clarify the invention and respectfully request that this rejection be withdrawn.

<u>35 U.S.C. § 102 Rejections</u>

Claims 1-24 have been rejected under 35 U.S.C. § 102(e) as being anticipated by Lung et al. Applicant respectfully traverses these rejections.

Lung et al. discloses a method for routing analog Caller ID signals that includes receiving an incoming telephone call for a first telephone extension, the incoming call associated with a first set of analog Caller ID signals, asserting a ringing signal to the first telephone extension, the ringing signal including the first set of analog Caller ID signals, coupling the incoming call to the

first telephone extension, receiving a request to couple the incoming call from the first telephone extension to a second telephone extension, receiving a request to send the first set of analog Caller ID signals to the second telephone extension, and asserting a routing signal to the second telephone extension, the ringing signal including the first set of analog Caller ID signals.

Regarding claims 1, 4, 7, 8, 14 and 15, Applicant submits that Lung et al. does not disclose or suggest the limitations in the combination of each of these claims of, *inter alia*, a PBX apparatus that includes a CID service unit, the CID service unit including a CID and signal detecting unit and a CID and signal transmitting unit that each perform digital signal processing on the CIDs and signals, or an apparatus in a PBX that includes a CID detecting block, a CID detection memory, a CID transmitting memory, and a local control block for controlling CID transmission to a corresponding port in a SLC unit through a system bus by reading the signal and/or the CID of each port from the CID detection memory, or storing CIDs in a first memory in a CID service unit at the PBX and storing pre-assigned CIDs for transmission of the stored CIDs in a second memory in the CID service unit.

The Examiner asserts that Lung et al. teaches an apparatus in a PBX, at col. 2, lines 45-55. However, these portions of Lung et al. merely disclose that methods and apparatus are needed that provide extended functionality to analog telephone equipment for PBX systems. Lung et al. merely discloses <u>a server</u>. This is not <u>a PBX apparatus</u>, as recited in the claims of the present application. Lung et al. actually teaches away from PBX systems throughout the

background of the invention, for example, col. 2, lines 2-5, 24-29, and 36-39. Lung et al. discloses a telephone server (see, col. 1, lines 16-18) and not a PBX apparatus.

Moreover, the Examiner asserts that Lung et al. discloses an ATC unit and a SLC unit, at col. 4, lines 41-67. However, these portions merely disclose a telephone server that includes a CODEC where the telephone server interfaces with telephone trunk lines and with telephone extension lines. This is not an ATC unit for converging with an exchange in the PBX and a SLC unit for transmitting CID or data by converging with a subscriber line connected to each port, as recited in the claims of the present application. Lung et al. discloses the CODEC interfacing to both the telephone trunk line and the telephone extension lines.

The Examiner further asserts that Lung et al. discloses a control block for controlling a CID service, at col. 5, lines 5-13. However, these portions merely disclose a processor used to control the operation of the telephone server. This is not a control block included in a PBX, as recited in the claims of the present application. The processor 90 in Lung et al. is inside a computer 40 external to the telephone server 70.

In addition, the Examiner asserts that Lung et al. discloses a CID service unit providing CIDs and/or system tones through a digital process, at col. 5, line 38-col. 6, line 53. However, these portions of Lung et al. merely disclose details regarding signal processor 200 and the CODEC 210. This is not a CID service unit that includes a CID and signal detecting unit and a CID and signal transmitting unit that each perform digital signal processing on the CIDs and

<u>signals</u>, as recited in the claims of the present application. As disclosed in Lung et al., signal

processor 200 is merely a known Texas Instruments DSP, and does not disclose or suggest the

limitations in the claims of the present application. Further, signal process or 200 is directly

connected to CODEC 210 (see fig. 2), thus Lung does not disclose or suggest a <u>switching block</u>

<u>for connecting the data path between the CID service unit, the ATC unit and the SLC unit</u> for

<u>selectively switching the data path</u> between the signals transmitting/detecting block and the CID

service unit, as recited in the claims of the present application.

Moreover, the Examiner asserts that Lung et al. discloses an apparatus in a PBX for

transmitting and receiving a Caller ID that includes a CID detecting block, CID transmitting

block, CID detection memory, CID transmitting memory, and local control block for controlling

CID transmission, at col. 5, lines 65-col.6 line 17, and col. 6, lines 65-col. 7, line 57. However, as

noted previously, these portions merely disclose details regarding the operation of signal

processor 200 and how it processes incoming telephone calls. These portions do not disclose or

suggest anything related to a CID detecting block, CID transmitting block, CID detection

memory, or CID transmitting memory, as recited in the claims of the present application.

Applicant respectfully requests the Examiner to specifically point out in the cited reference

where each and every limitation in the claims of the present application is allegedly disclosed.

Further, the cited portions of Lung et al. do not disclose or suggest <u>storing CIDs in a first</u>

<u>memory in a CID service unit at the PBX, storing pre-assigned CIDs for transmission out of the</u>

<u>stored CIDs in a second memory in the CID service unit</u>, as recited in the claims of the present application.

Regarding claims 2, 3, 5, 6, 9-13 and 16-24, Applicant submits that these claims are dependent on one of independent claims 1, 4, 8 and 15 and, therefore, are patentable at least for the same reasons noted previously regarding these independent claims.

Accordingly, Applicant submits that Lung et al, does not disclose or suggest the limitations in the combination of each of claims 1-24 of the present application. Applicant respectfully request that these rejections be withdrawn and that these claims be allowed.

CONCLUSION

In view of the foregoing Amendment and remarks, Applicant submits that claims 1-24 are now in condition for allowance. Accordingly, early allowance of such claims is respectfully requested. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned, Frederick D. Bailey, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is

hereby made. Please charge any shortage in fees due in connection with the filing of this,

concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and

please credit any excess fees to such deposit account.

Respectfully submitted,
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